

2 / 22

FIG. 2

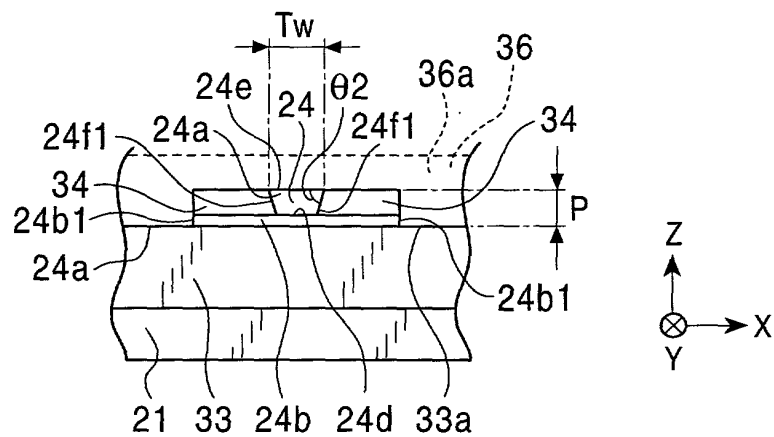
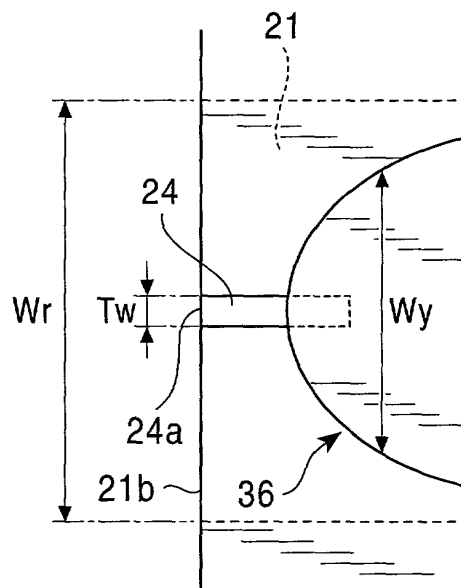


FIG. 3



3 / 22

FIG. 4

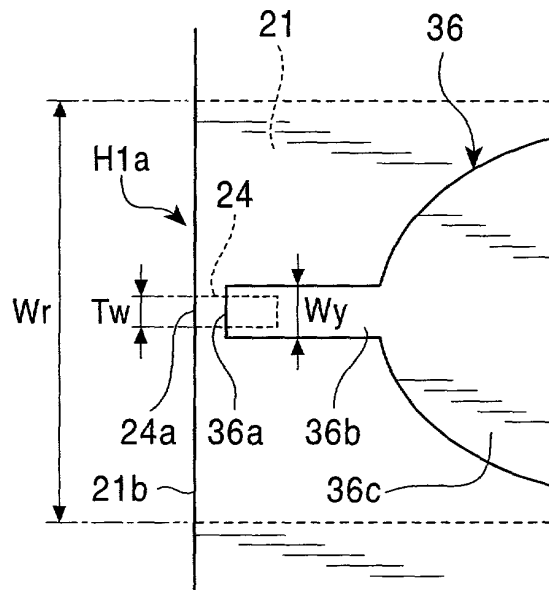


FIG. 5

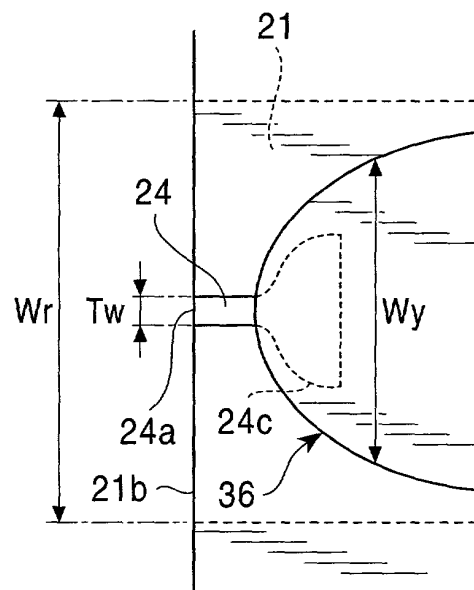


FIG. 6

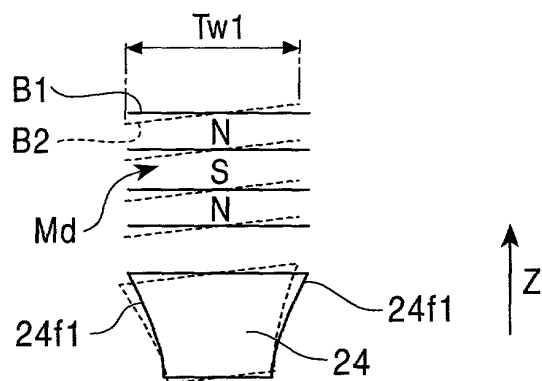


FIG. 7

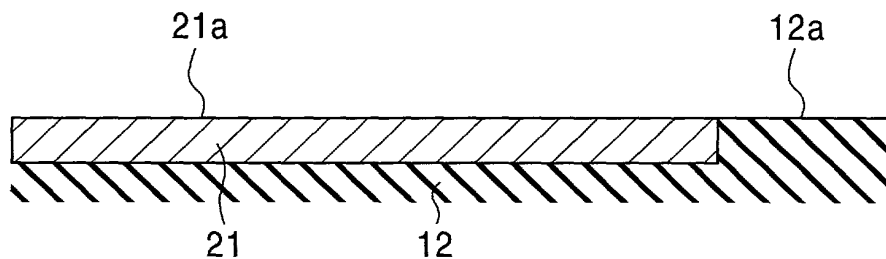
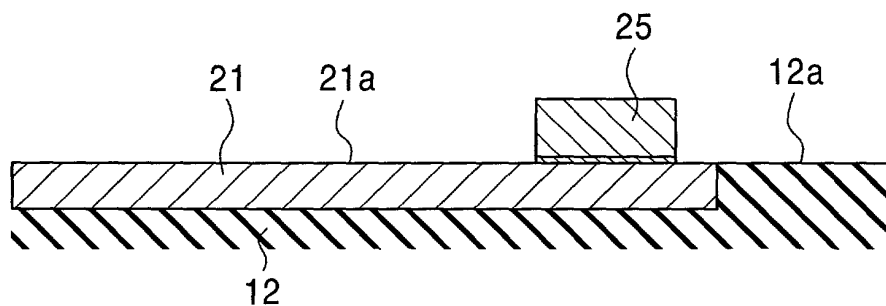


FIG. 8



10025040 "121801

5 / 22

FIG. 9

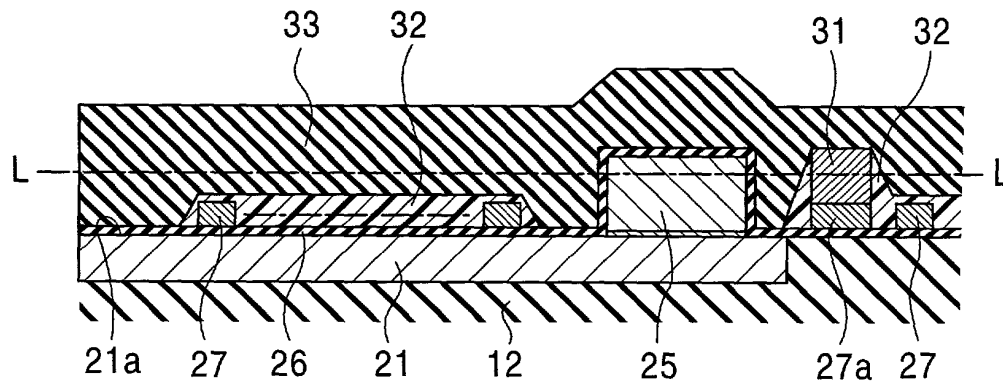
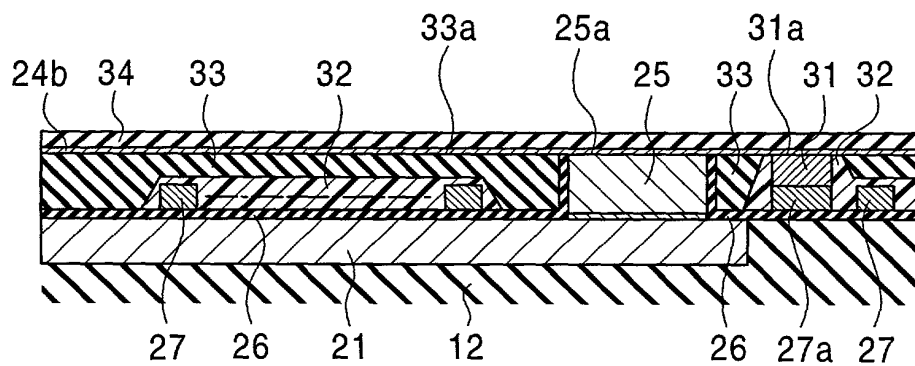


FIG. 10



6 / 22

FIG. 11A

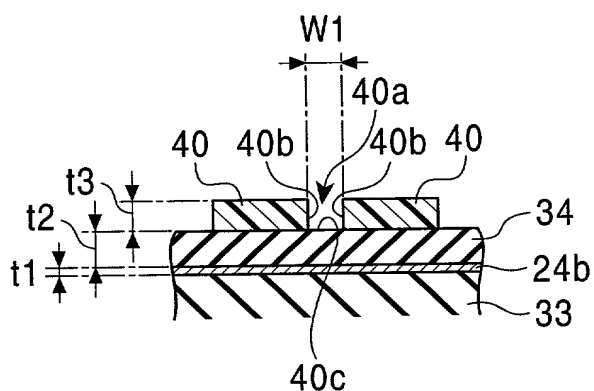


FIG. 11B

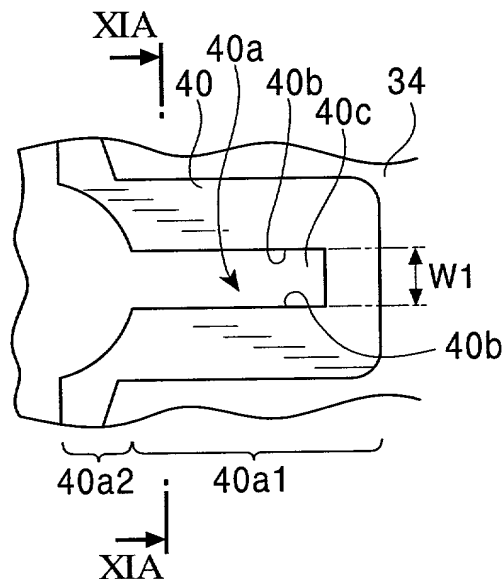
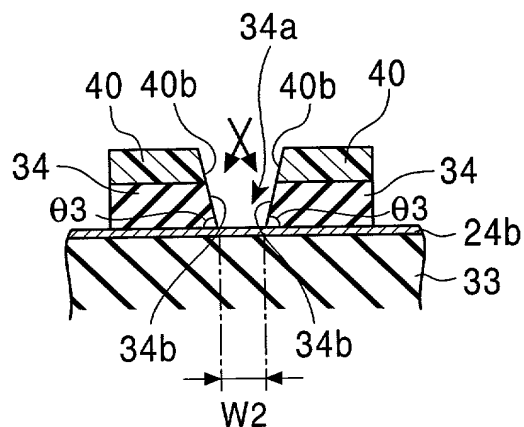


FIG. 12



7 / 22

FIG. 13

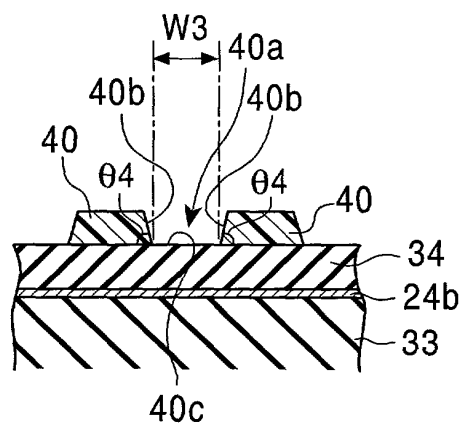
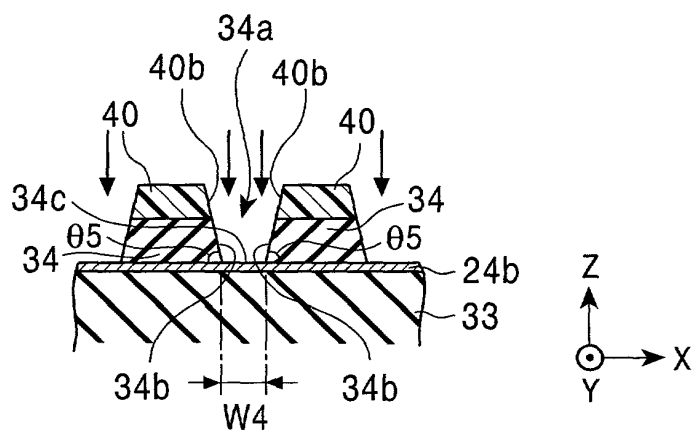


FIG. 14



8 / 22

FIG. 15

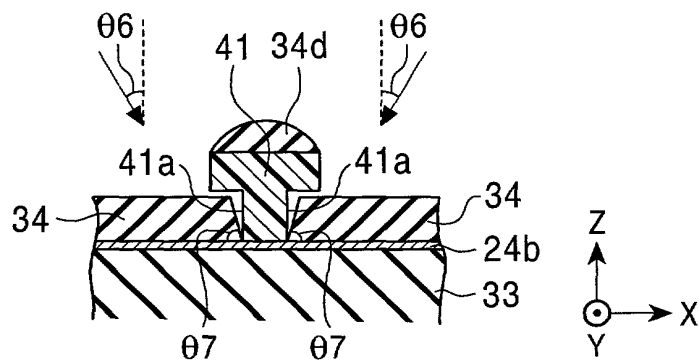


FIG. 16

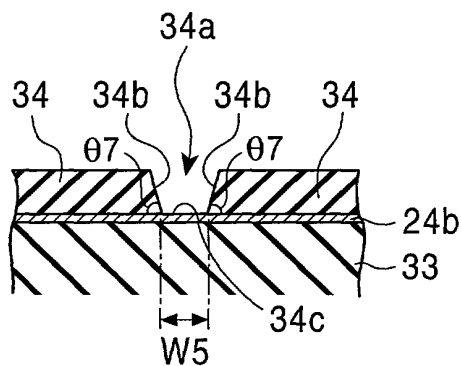




FIG. 17A

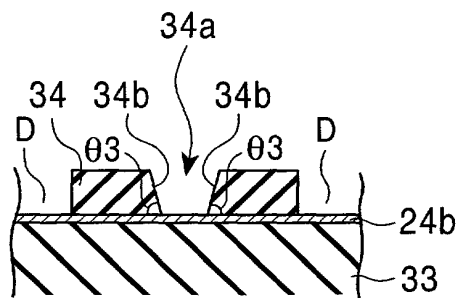


FIG. 17B

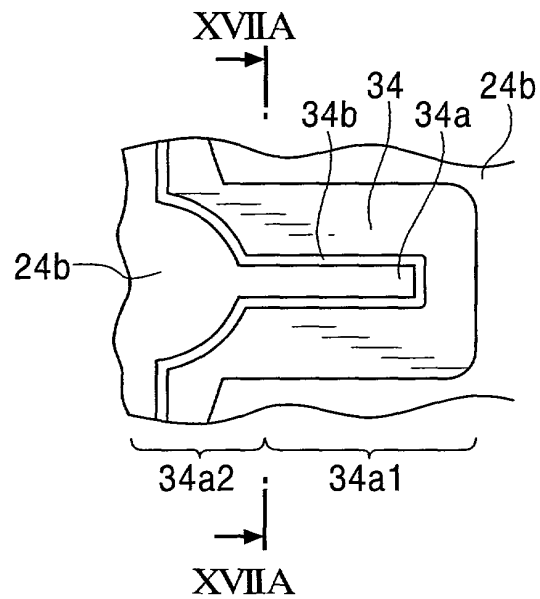


FIG. 18

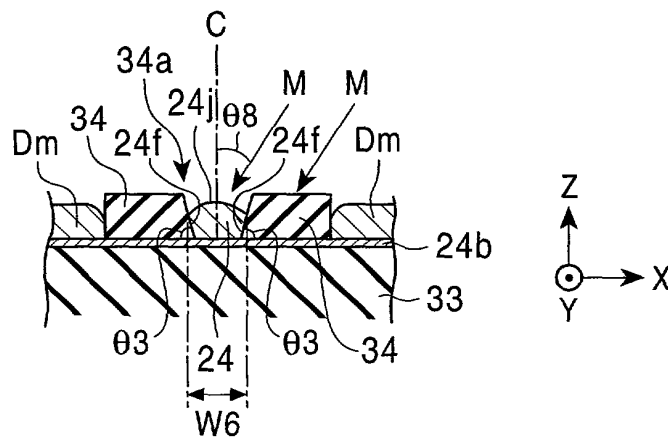


FIG. 19

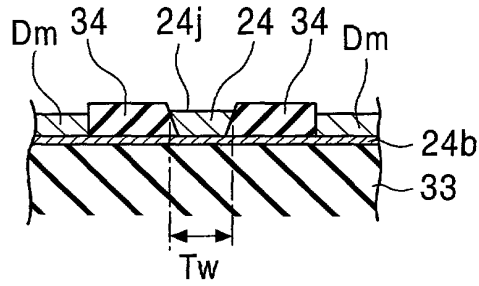


FIG. 20

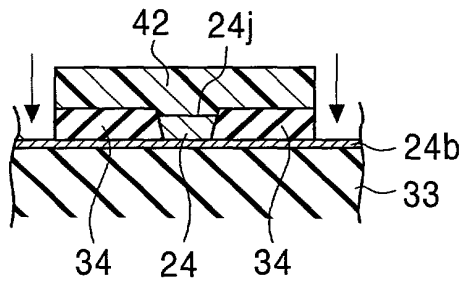
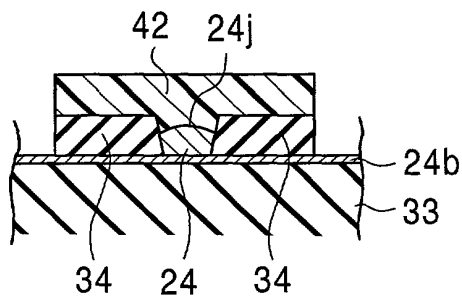


FIG. 21



11 / 22

FIG. 22

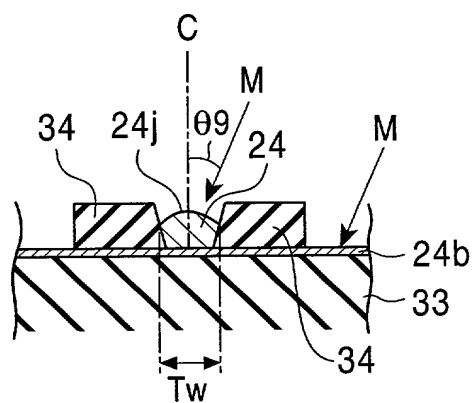
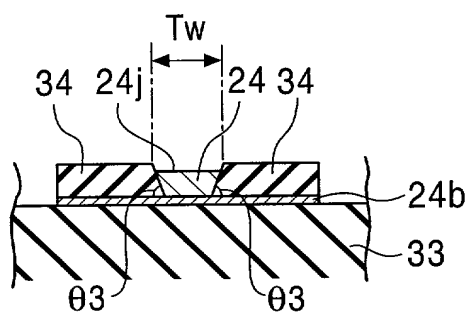


FIG. 23



10025040-121801

12 / 22

FIG. 24

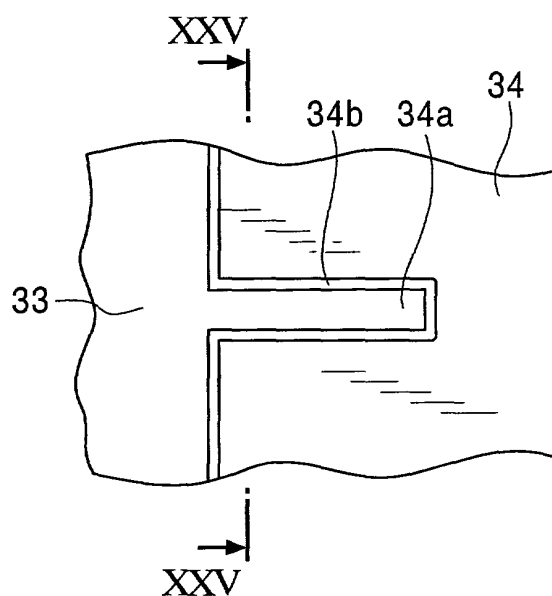


FIG. 25

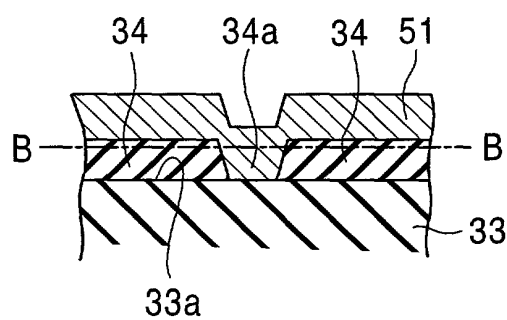


FIG. 26

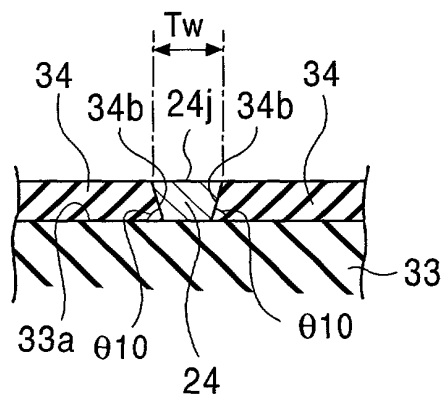
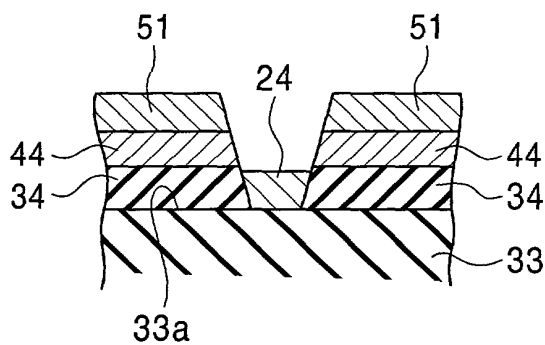


FIG. 27



14 / 22

FIG. 28

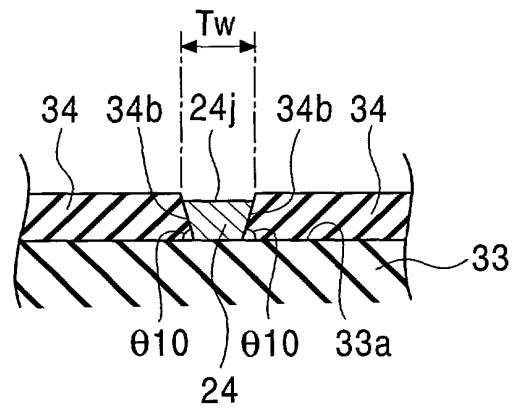
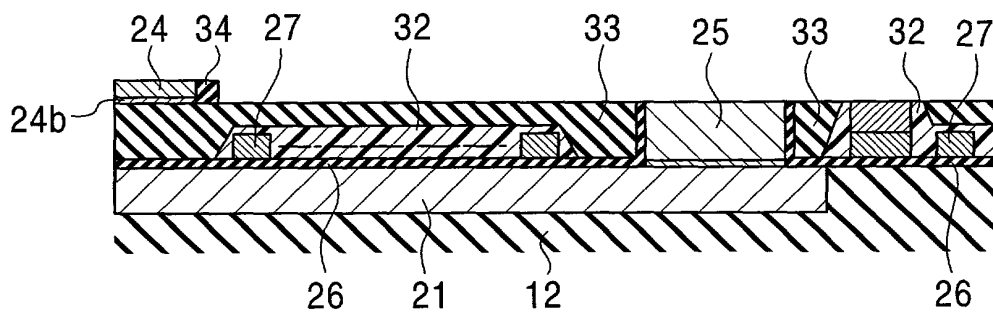


FIG. 29



15 / 22

FIG. 30

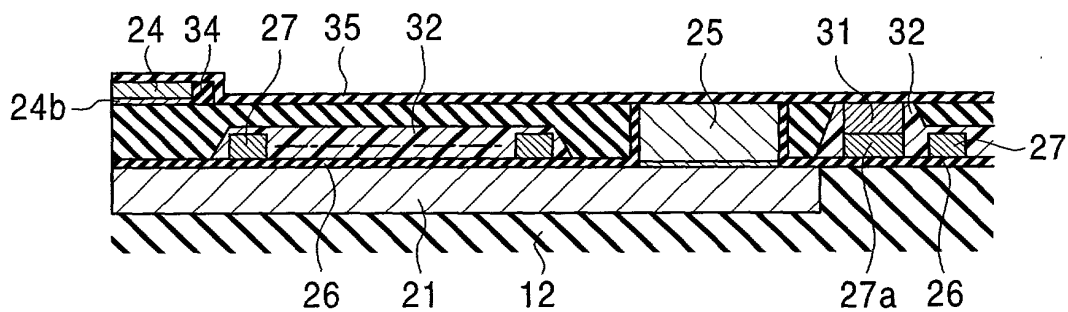


FIG. 31

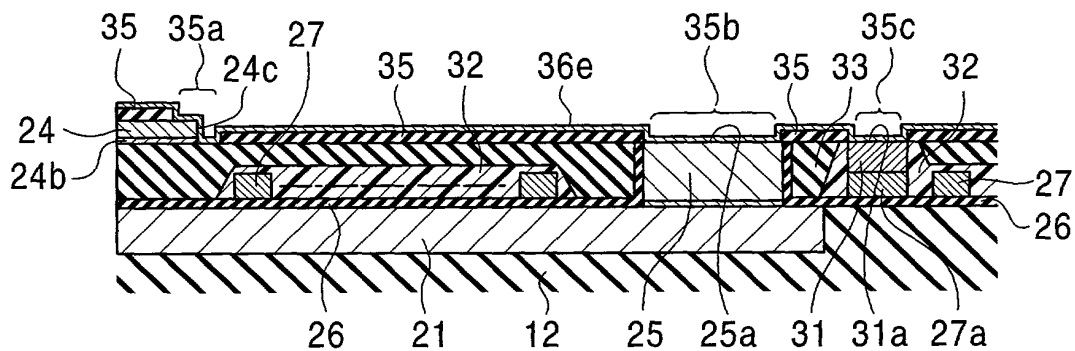


FIG. 32

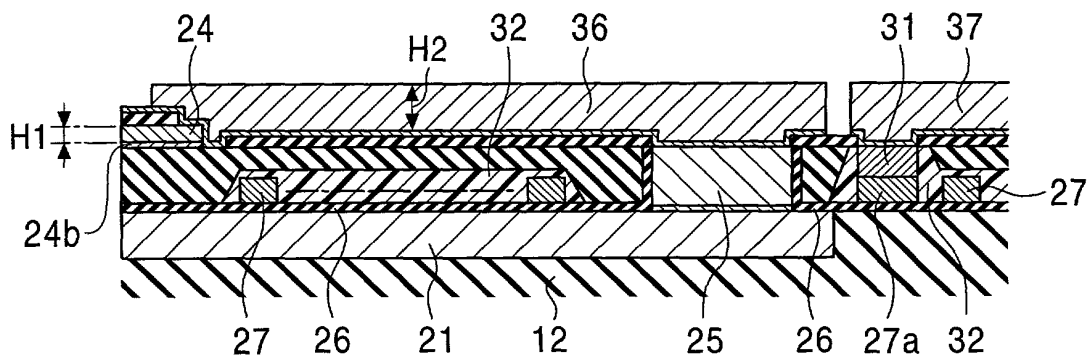


FIG. 33

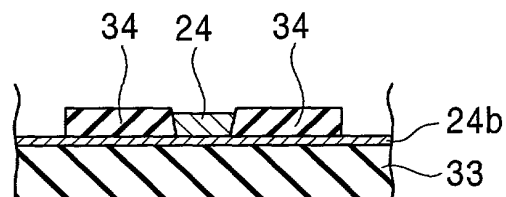
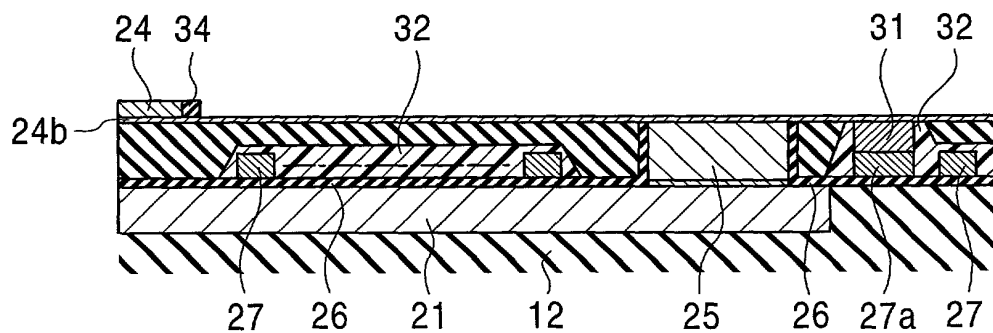


FIG. 34

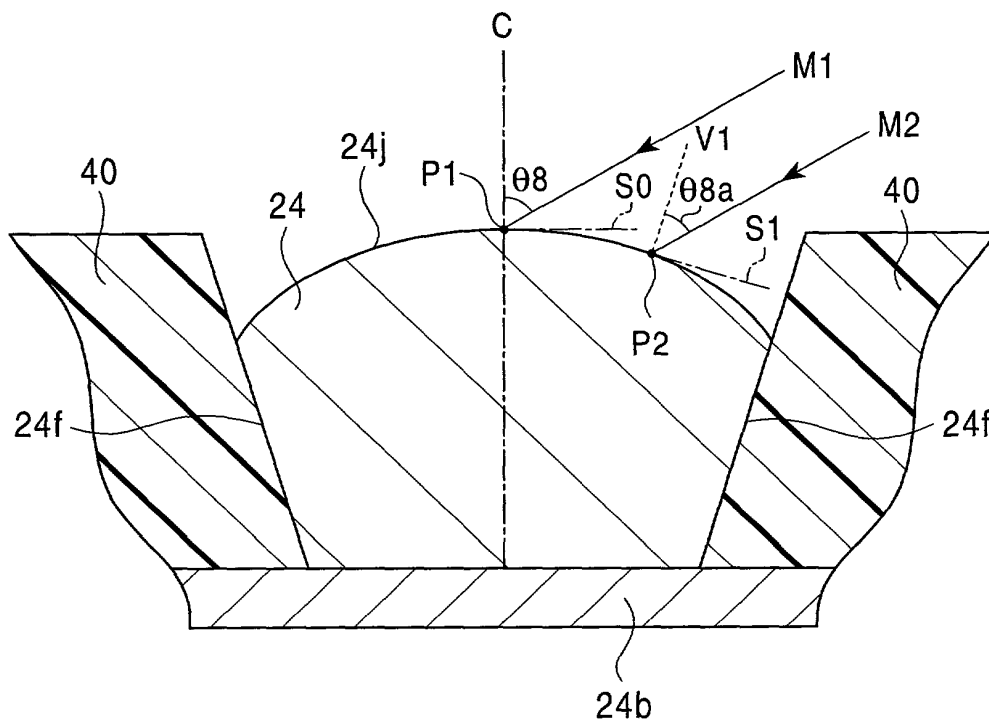




This cross-sectional diagram illustrates a multi-layered semiconductor structure. The top layer is labeled 36, with a specific region 36a indicated. Below it is a thin layer 34. A central core or channel is labeled 32, which is flanked by regions 31 and 37. On the left side, there are two vertical dimensions: H1, representing the thickness of a layer containing features 24 and 24b, and H2, representing the height of a protrusion 30. Other labels include 26, 21, 12, 25, 27, and 27a, which likely denote different materials or structural elements within the device stack.

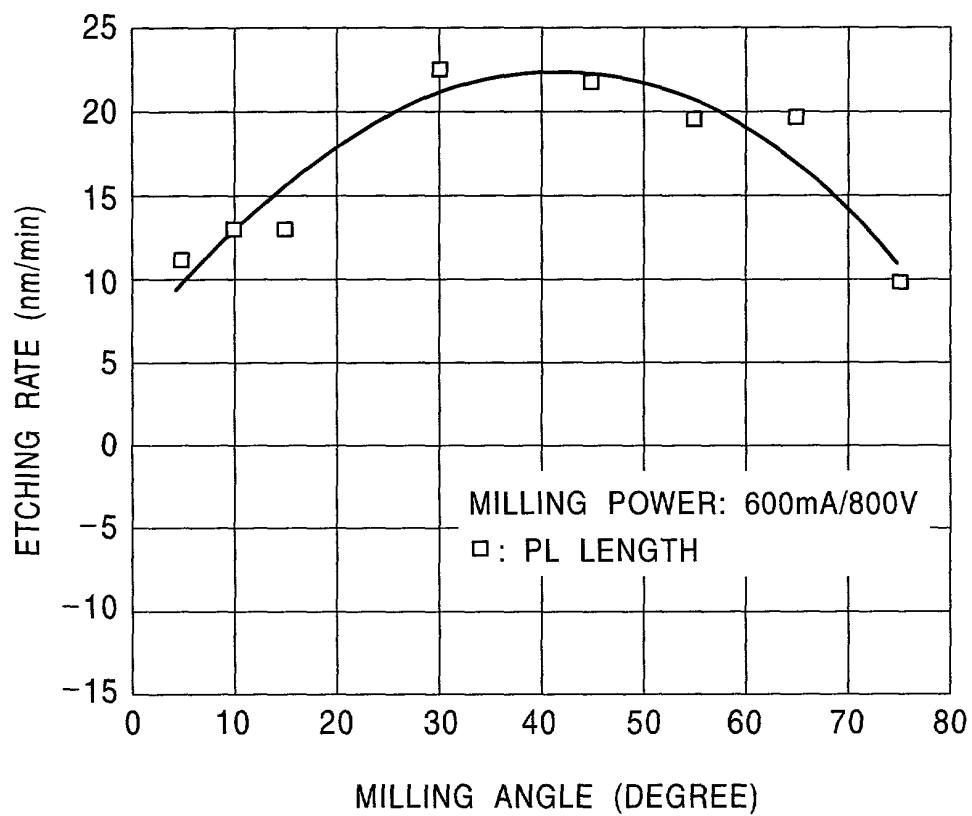
This cross-sectional view shows a substrate with a patterned layer 24, a middle layer 26, and a top layer 33. A central region 36 is defined by a trench 25. A contact pad 37 is located on the right side. Various other regions are labeled with numbers 21, 27, 27a, 31, and 34.

FIG. 37



10025040-121801

FIG. 38



20 / 22

FIG. 39

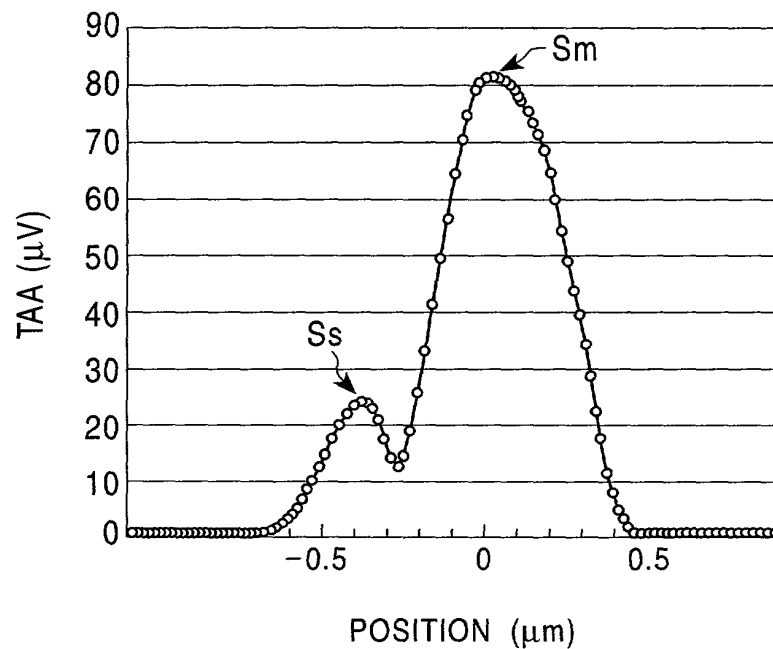
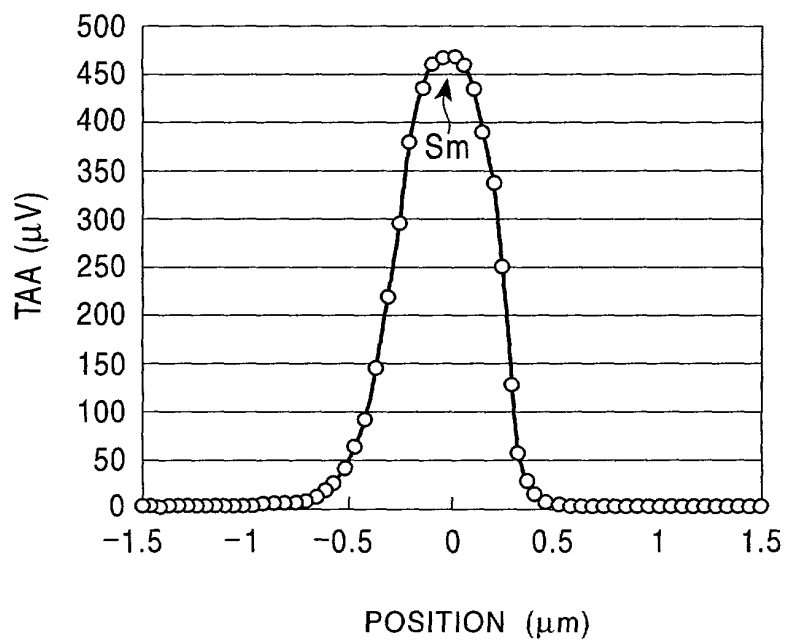
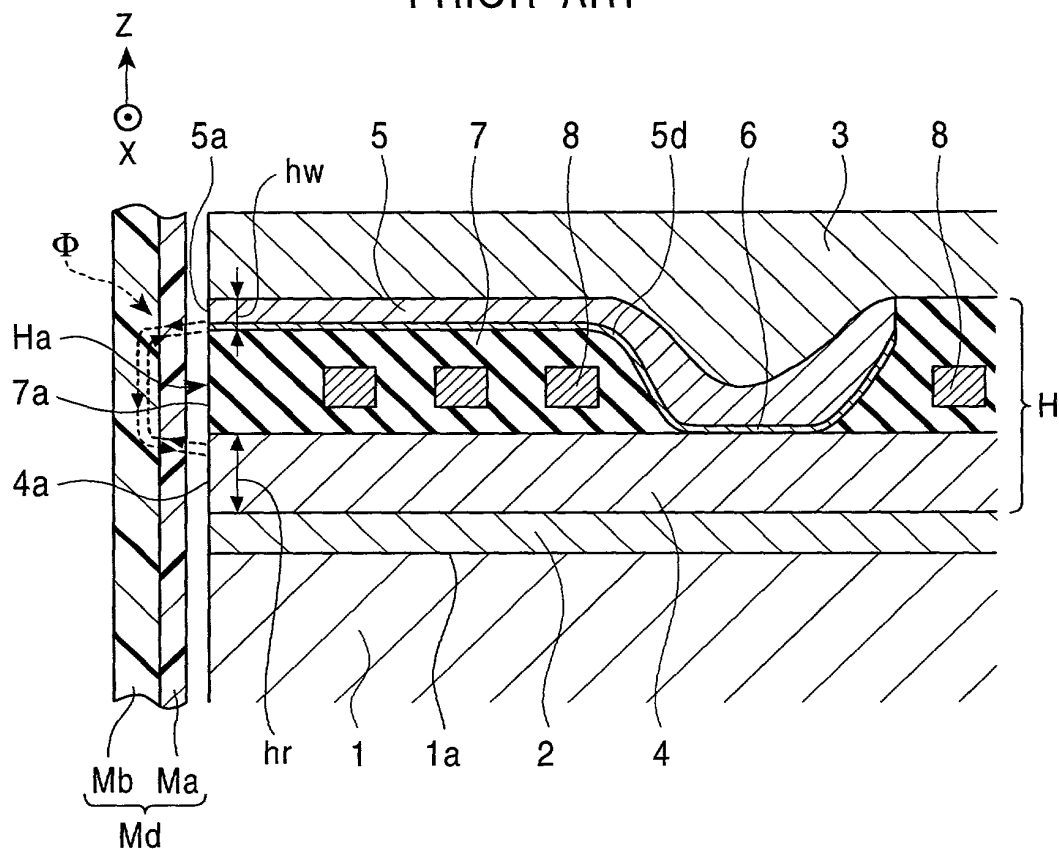


FIG. 40





22 / 22

FIG. 42  
PRIOR ART

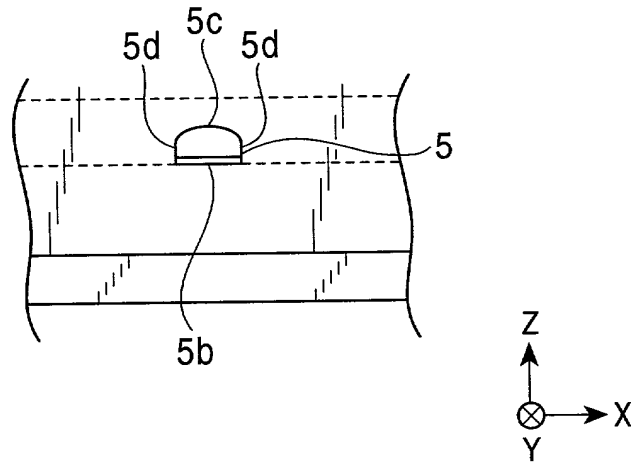


FIG. 43  
PRIOR ART

